

**ARIZONA GAME AND FISH DEPARTMENT
HERITAGE DATA MANAGEMENT SYSTEM**

Plant Abstract

Element Code: PDAST4L020

Data Sensitivity: No

CLASSIFICATION, NOMENCLATURE, DESCRIPTION, RANGE

NAME: *Helenium arizonicum* Blake

COMMON NAME: Arizona Sneezeweed

SYNONYMS: *Helenium arizonica*

FAMILY: Asteraceae

AUTHOR, PLACE OF PUBLICATION: S.F. Blake, Jour. Wash. Acad. Sci. 27(9): 388-389. 1937.

TYPE LOCALITY: Near Mormon Lake, Coconino County, Arizona, USA.

TYPE SPECIMEN: HT: US-212077. J.W. Toumey 681, 17 Jun 1892. IT: GH.

TAXONOMIC UNIQUENESS: Species *arizonicum* is 1 of 19 in the genus *Helenium*, and 1 of 3 in Arizona.

DESCRIPTION: Biennial or annual herb, up to 4 ft (12.2 dm) tall; stem is not winged, and is glabrous or nearly so throughout. McDougall (1973) reports stem lengths of 50-60 cm (21-24 in). Dark green narrow leaves are up to 5 in (2.5 cm) long, not uniform. The basal leaves are oblanceolate, narrowed into a petioliform base, and distinctly larger than the cauline leaves. McDougall (1973) reports basal leaf length of 5-20 cm (2-8 in). The cauline leaves, with an ampliate amplexicaul base, are very shortly decurrent. Flowers occur singly at the tips of the stems, and are up to 2 inches wide; peduncles are up to 5 in (12 cm) long. Flower heads are small to large, and radiate to discoid. The 3-lobed ray flowers are yellow, while the globular disk flowers are purplish brown. Achenes are turbinate, 8-10 ribbed.

AIDS TO IDENTIFICATION:

ILLUSTRATIONS: Color photo of Holotype specimen (US-212077, in USNH at <http://ravenel.si.edu/botany/types/fullRecords.cfm?myFamily=>)
Color photo (L.E. Eppler, in A.O. Eppler 1995: Pl. 410)

TOTAL RANGE: Endemic to north-central Arizona, mainly in Coconino County, but also found in Apache, Gila and Navajo counties.

RANGE WITHIN ARIZONA: See "Total Range."

SPECIES BIOLOGY AND POPULATION TRENDS

GROWTH FORM: Annual/Biennial forb/herb.

PHENOLOGY: July (August) to September.

BIOLOGY: unknown.

HABITAT: Found in regions of ponderosa pine forests, especially around wet places such as bogs, ponds, lakes, and roadside ditches (NatureServe 2003).

ELEVATION: 6,000 - 8,000 ft. (1830-2440 m).

EXPOSURE: Semi-open.

SUBSTRATE: Moist soils.

PLANT COMMUNITY: Seasonally wet meadows within ponderosa pine forests. Associated species include *Populus tremuloides* (quaking aspen), *Picea* (spruce), *Pinus ponderosa* (ponderosa pine). (SEINet accessed 2005).

POPULATION TRENDS: unknown.

SPECIES PROTECTION AND PRESERVATION

ENDANGERED SPECIES ACT STATUS: None

STATE LIST STATUS: None

OTHER STATUS: Forest Service Sensitive (USDA, FS Region 3 1999)

MANAGEMENT FACTORS:

CONSERVATION MEASURES TAKEN:

SUGGESTED PROJECTS:

LAND MANAGEMENT/OWNERSHIP: USFS – Coconino and Apache-Sitgreaves (above the Mogollon Rim on Sitgreaves NF) National Forests. Possibly on BIA – Fort Apache Reservation and Private lands.

SOURCES OF FURTHER INFORMATION**REFERENCES:**

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MAJOR KNOWLEDGEABLE INDIVIDUALS:**ADDITIONAL INFORMATION:**

Revised: 1989-11-07()
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